

TM



REVOCATION OF PRIOR POWERS OF ATTORNEY
APPOINTMENT OF NEW POWERS OF ATTORNEY
AND
CHANGE OF CORRESPONDENCE ADDRESS

in re

Applicant/Patent Owner: **SIEMENS VDO AUTOMOTIVE CORPORATION**

Application No.: **10/713,767**

Filing Date: **11/14/2003**

Publication No.: **2005-0105306**

Publication Date: **5/19/2005**

Patent No.: **6940735**

Issue Date: **9/6/2005**

Entitled: Power Converter System

Siemens VDO Automotive Corporation, a Delaware corporation, as assignee of the entire right, title, and interest in the patent application/patent identified above by virtue of an assignment averred per the attached Statement Under 37 CFR 3.73(b), hereby:

- a) revokes all previous powers of attorney given in the above-identified application.
- b) appoints all Practitioners associated with the Customer Number: 028524 as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.
- c) requests change the correspondence address for the above-identified application to the address associated with the above-mentioned Customer Number.

A handwritten signature in black ink, appearing to read "Laura M. Slenzak".

19 July 2007

Laura M. Slenzak
Assistant Secretary for Intellectual Property Matters
Siemens VDO Automotive Corporation



STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: **SIEMENS VDO AUTOMOTIVE CORPORATION**

Application No.: **10/713,767**

Filing Date: **11/14/2003**

Publication No.: **2005-0105306**

Publication Date: **5/19/2005**

Patent No.: **6940735**

Issue Date: **9/6/2005**

Entitled: **Power Converter System**

Siemens VDO Automotive Corporation, a Delaware corporation, states that it is: the assignee of the entire right, title, and interest in the patent application/patent identified above by virtue of an assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at **Reel 019077, Frame 0840**, for which a copy thereof is attached.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was already submitted for recordation pursuant to 37 CFR 3.11.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

19 July 2007

Laura M. Stenzak
Assistant Secretary for Intellectual Property Matters
Siemens VDO Automotive Corporation



United States Patent and Trademark Office

Patent Assignment Details

NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Reel/Frame: 019077/0840

Pages: 7

Recorded: 3/28/2007

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

1	Patent #:	<u>5402059</u>	Issue Dt:	3/28/1995	Application #:	8193587	Filing Dt:	2/8/1994	Title: SWITCHING POWER SUPPLY OPERATING AT LITTLE OR NO LOAD
2	Patent #:	<u>5469351</u>	Issue Dt:	11/21/1995	Application #:	8270967	Filing Dt:	7/5/1994	Title: FAULT ISOLATION IN AN INDUCTION MOTOR CONTROL SYSTEM
3	Patent #:	<u>5552977</u>	Issue Dt:	9/3/1996	Application #:	8493221	Filing Dt:	6/20/1995	Title: THREE PHASE INVERTER CIRCUIT WITH IMPROVED TRANSITION FROM SVPWM TO SIX STEP OPERATION
4	Patent #:	<u>5627446</u>	Issue Dt:	5/6/1997	Application #:	8498163	Filing Dt:	7/5/1995	Title: INDUCTION MOTOR CONTROL METHOD
5	Patent #:	<u>5619435</u>	Issue Dt:	4/8/1997	Application #:	8558950	Filing Dt:	11/13/1995	Title: MACHINE
6	Patent #:	<u>5739664</u>	Issue Dt:	4/14/1998	Application #:	8596846	Filing Dt:	2/5/1996	Title: INDUCTION MOTOR DRIVE CONTROLLER
7	Patent #:	<u>5754026</u>	Issue Dt:	5/19/1998	Application #:	8825986	Filing Dt:	4/4/1997	Title: INDUCTION MOTOR CONTROL METHOD
8	Patent #:	<u>5821720</u>	Issue Dt:	10/13/1998	Application #:	8846442	Filing Dt:	4/30/1997	Title: BACKLASH ELIMINATION IN THE DRIVETRAIN OF AN ELECTRIC VEHICLE
9	Patent #:	<u>5994859</u>	Issue Dt:	11/30/1999	Application #:	8848206	Filing Dt:	4/30/1997	Title: TORSIONAL OSCILLATION COMPENSATION IN THE DRIVETRAIN OF A MOTOR VEHICLE
10	Patent #:	<u>6072297</u>	Issue Dt:	6/6/2000	Application #:	8926415	Filing Dt:	9/9/1997	Title: VIBRATION DETECTION AND CONTROL FOR A VEHICLE DRIVETRAIN
11	Patent #:	<u>6047787</u>	Issue Dt:	4/11/2000	Application #:	9017934	Filing Dt:	2/3/1998	Title: VOLTAGE CONTROL METHOD FOR AN ELECTRIC MOTOR CONTROL SYSTEM
12	Patent #:	<u>5977679</u>	Issue Dt:	11/2/1999	Application #:	9034946	Filing Dt:	3/5/1998	Title: POLE-PHASE MODULATED TOROIDAL WINDING FOR AN INDUCTION MACHINE
13	Patent #:	<u>5905349</u>	Issue Dt:	5/18/1999	Application #:	9064237	Filing Dt:	4/23/1998	Title: METHOD OF CONTROLLING ELECTRIC MOTOR TORQUE IN AN ELECTRIC VEHICLE
14	Patent #:	<u>5965967</u>	Issue Dt:	10/12/1999	Application #:	9110353	Filing Dt:	7/6/1998	Title: ROTOR FOR AN ELECTRICAL MACHINE
15	Patent #:	<u>6246343</u>	Issue Dt:	6/12/2001	Application #:	9263303	Filing Dt:	3/5/1999	Title: INCREMENT ENCODER FAILURE DETECTION
16	Patent #:	<u>6122588</u>	Issue Dt:	9/19/2000	Application #:	9420465	Filing Dt:	10/19/1999	Title: VEHICLE SPEED CONTROL WITH CONTINUOUSLY VARIABLE BRAKING TORQUE
17	Patent #:	<u>6307275</u>	Issue Dt:	10/23/2001	Application #:	9495443	Filing Dt:	1/31/2000	Title: COUPLED TO AN INDUSTRIAL TURBO ENGINE
18	Patent #:	<u>6377019</u>	Issue Dt:	4/23/2002	Application #:	9499366	Filing Dt:	2/10/2000	Title: PEAK TORQUE PER AMPERE METHOD FOR INDUCTION MOTOR VECTOR CONTROL



United States Patent and Trademark Office

Patent Assignment Details

NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Reel/Frame: 019077/0840

Pages: 7

Recorded: 3/28/2007

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

19	Patent #:	<u>6239575</u>	Issue Dt:	5/29/2001	Application #:	9502869	Filing Dt:	2/11/2000	Title: Induction motor power/torque clamping for electric vehicle performance
20	Patent #:	<u>6330143</u>	Issue Dt:	12/11/2001	Application #:	9512480	Filing Dt:	2/23/2000	Title: Automatic over-current protection of transistors
21	Patent #:	<u>6169679</u>	Issue Dt:	1/2/2001	Application #:	9532796	Filing Dt:	3/21/2000	Title: Method and system for synchronizing the phase angles of parallel connected inverters
22	Patent #:	<u>6291960</u>	Issue Dt:	9/18/2001	Application #:	9533296	Filing Dt:	3/22/2000	Title: Pulse width modulated motor control system and method for reducing noise vibration and harshness
23	Patent #:	<u>6327524</u>	Issue Dt:	12/4/2001	Application #:	9561546	Filing Dt:	4/28/2000	Title: System for high efficiency motor control
24	Patent #:	<u>6366049</u>	Issue Dt:	4/2/2002	Application #:	9567592	Filing Dt:	5/10/2000	Title: Motor-starter and speed controller system
25	Patent #:	<u>6178103</u>	Issue Dt:	1/23/2001	Application #:	9567965	Filing Dt:	5/10/2000	Title: Method and circuit for synchronizing parallel voltage source inverters
26	Patent #:	<u>6212085</u>	Issue Dt:	4/3/2001	Application #:	9593613	Filing Dt:	6/13/2000	Title: Integrated dual voltage sourced inverter
27	Patent #:	<u>6362988</u>	Issue Dt:	3/26/2002	Application #:	9606865	Filing Dt:	6/29/2000	Title: OPERATION WITH A GRID
28	Patent #:	<u>6239997</u>	Issue Dt:	5/29/2001	Application #:	9653478	Filing Dt:	9/1/2000	Title: Method and system for connecting and synchronizing a supplemental power source to a power grid
29	Patent #:	<u>6388419</u>	Issue Dt:	5/14/2002	Application #:	9653654	Filing Dt:	9/1/2000	Title: Motor control system
30.	Patent #:	<u>6572416</u>	Issue Dt:	6/3/2003	Application #:	9682976	Filing Dt:	11/5/2001	Publication #: <u>US20030087560</u> Pub Dt: 5/8/2003 Title: THREE-PHASE CONNECTOR FOR ELECTRIC VEHICLE DRIVETRAIN
31	Patent #:	<u>6646837</u>	Issue Dt:	11/11/2003	Application #:	9682994	Filing Dt:	11/6/2001	Publication #: <u>US20020190580</u> Pub Dt: 12/19/2002 Title: ACTIVE GROUND CURRENT REDUCTION DEVICE
32	Patent #:	<u>6744158</u>	Issue Dt:	6/1/2004	Application #:	9683018	Filing Dt:	11/8/2001	Publication #: <u>US20020089244</u> Pub Dt: 7/11/2002 Title: ELECTRIC MACHINE WITH COOLING RINGS
33	Patent #:	<u>6631960</u>	Issue Dt:	10/14/2003	Application #:	9683171	Filing Dt:	11/28/2001	Publication #: <u>US20030132664</u> Pub Dt: 7/17/2003 Title: SERIES REGENERATIVE BRAKING TORQUE CONTROL SYSTEMS AND METHODS
34	Patent #:	<u>6496393</u>	Issue Dt:	12/17/2002	Application #:	9683172	Filing Dt:	11/28/2001	Title: INTEGRATED TRACTION INVERTER MODULE AND BI-DIRECTIONAL DC/DC CONVERTER
35	Patent #:	<u>6465977</u>	Issue Dt:	10/15/2002	Application #:	9683176	Filing Dt:	11/29/2001	



United States Patent and Trademark Office

Patent Assignment Details

NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Reel/Frame: 019077/0840

Pages: 7

Recorded: 3/28/2007

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

Title: SYSTEM AND METHOD FOR CONTROLLING TORQUE IN AN ELECTRICAL MACHINE

- | | | | | |
|--|--|-----------------------------|--------------------------------|------------------------------|
| 36 | Patent #: <u>6630809</u> | Issue Dt: 10/7/2003 | Application #: 9683180 | Filing Dt: 11/29/2001 |
| | Publication #: <u>US20030098665</u> | Pub Dt: 5/29/2003 | | |
| Title: SYSTEM AND METHOD FOR INDUCTION MOTOR CONTROL | | | | |
| 37 | Patent #: <u>6639334</u> | Issue Dt: 10/28/2003 | Application #: 9683199 | Filing Dt: 11/30/2001 |
| | Publication #: <u>US20030102728</u> | Pub Dt: 6/5/2003 | | |
| Title: JET IMPINGEMENT COOLING OF ELECTRIC MOTOR END-WINDINGS | | | | |
| 38 | Patent #: <u>6452352</u> | Issue Dt: 9/17/2002 | Application #: 9705236 | Filing Dt: 11/2/2000 |
| | Title: CURRENT GENERATING SYSTEM | | | |
| 39 | Patent #: <u>6445095</u> | Issue Dt: 9/3/2002 | Application #: 9758871 | Filing Dt: 1/11/2001 |
| | Publication #: <u>US20020089242</u> | Pub Dt: 7/11/2002 | | |
| Title: ELECTRIC MACHINE WITH LAMINATED COOLING RINGS | | | | |
| 40 | Patent #: <u>6636429</u> | Issue Dt: 10/21/2003 | Application #: 9957001 | Filing Dt: 9/20/2001 |
| | Publication #: <u>US20020126465</u> | Pub Dt: 9/12/2002 | | |
| Title: LEVEL | | | | |
| 41 | Patent #: <u>6793502</u> | Issue Dt: 9/21/2004 | Application #: 9957047 | Filing Dt: 9/20/2001 |
| | Publication #: <u>US20020111050</u> | Pub Dt: 8/15/2002 | | |
| Title: PRESS (NON-SOLDERED) CONTACTS FOR HIGH CURRENT ELECTRICAL CONNECTIONS IN POWER MODULES | | | | |
| 42 | Patent #: <u>6845017</u> | Issue Dt: 1/18/2005 | Application #: 9957568 | Filing Dt: 9/20/2001 |
| | Publication #: <u>US20020118560</u> | Pub Dt: 8/29/2002 | | |
| Title: SUBSTRATE-LEVEL DC BUS DESIGN TO REDUCE MODULE INDUCTANCE | | | | |
| 43 | Patent #: <u>6707270</u> | Issue Dt: 3/16/2004 | Application #: 10010307 | Filing Dt: 11/13/2001 |
| | Publication #: <u>US20030090226</u> | Pub Dt: 5/15/2003 | | |
| Title: SYSTEM AND METHOD FOR INDUCTION MOTOR CONTROL | | | | |
| 44 | Patent #: <u>7012810</u> | Issue Dt: 3/14/2006 | Application #: 10109555 | Filing Dt: 3/27/2002 |
| | Publication #: <u>US20020167828</u> | Pub Dt: 11/14/2002 | | |
| Title: LEADFRAME-BASED MODULE DC BUS DESIGN TO REDUCE MODULE INDUCTANCE | | | | |
| 45 | Patent #: <u>6919650</u> | Issue Dt: 7/19/2005 | Application #: 10159603 | Filing Dt: 5/31/2002 |
| | Publication #: <u>US20030222507</u> | Pub Dt: 12/4/2003 | | |
| Title: HYBRID SYNCHRONIZATION PHASE ANGLE GENERATION METHOD | | | | |
| 46 | Patent #: <u>6700342</u> | Issue Dt: 3/2/2004 | Application #: 10208251 | Filing Dt: 7/29/2002 |
| | Publication #: <u>US20030030395</u> | Pub Dt: 2/13/2003 | | |
| Title: LIMITED POSITION INFORMATION | | | | |
| 47 | Patent #: <u>6815925</u> | Issue Dt: 11/9/2004 | Application #: 10293911 | Filing Dt: 11/12/2002 |
| | Publication #: <u>US20040090205</u> | Pub Dt: 5/13/2004 | | |
| Title: SYSTEMS AND METHODS FOR ELECTRIC MOTOR CONTROL | | | | |
| 48 | Patent #: <u>6778411</u> | Issue Dt: 8/17/2004 | Application #: 10298473 | Filing Dt: 11/18/2002 |
| | Publication #: <u>US20040095786</u> | Pub Dt: 5/20/2004 | | |
| Title: STARTUP APPARATUS AND METHOD FOR POWER CONVERTERS | | | | |



United States Patent and Trademark Office

Patent Assignment Details

NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Reel/Frame: 019077/0840

Pages:

.7

Recorded: 3/28/2007

Conveyer Total length 100

- | | | | | |
|----|---|----------------------------|--|------------------------------|
| 49 | Patent #: 6714424 | Issue Dt: 3/30/2004 | Application #: 10306833 | Filing Dt: 11/27/2002 |
| | Publication #: US20040037097 | Pub Dt: 2/26/2004 | Title: DEAD-TIME COMPENSATION WITH NARROW PULSE ELIMINATION IN SOLID-STATE SWITCH DEVICES | |
| | | | | |
| 50 | Patent #: 6861835 | Issue Dt: 3/1/2005 | Application #: 10309793 | Filing Dt: 12/3/2002 |
| | Publication #: US20040104718 | Pub Dt: 6/3/2004 | Title: METHOD AND SYSTEM FOR NON-INVASIVE POWER TRANSISTOR DIE VOLTAGE MEASUREMENT | |
| | | | | |
| 51 | Patent #: 7106564 | Issue Dt: 9/12/2006 | Application #: 10328934 | Filing Dt: 12/23/2002 |
| | Publication #: US20030147191 | Pub Dt: 8/7/2003 | Title: DEVICES AND METHODS FOR DETECTING ISLANDING OPERATION OF A STATIC POWER SOURCE | |
| | | | | |
| 52 | Patent #: 7190145 | Issue Dt: 3/13/2007 | Application #: 10334198 | Filing Dt: 12/30/2002 |
| | Publication #: US20030164692 | Pub Dt: 9/4/2003 | Title: METHOD AND APPARATUS FOR IMPROVING SPEED MEASUREMENT QUALITY IN MULTI-POLE MACHINES | |
| | | | | |
| 53 | Patent #: 6914354 | Issue Dt: 7/5/2005 | Application #: 10334820 | Filing Dt: 12/30/2002 |
| | Publication #: US20030173840 | Pub Dt: 9/18/2003 | Title: ASSEMBLY AND METHOD FOR DIRECT COOLING OF MOTOR END-WINDING | |
| | | | | |
| 54 | Patent #: 6853940 | Issue Dt: 2/8/2005 | Application #: 10345871 | Filing Dt: 1/15/2003 |
| | Publication #: US20030165036 | Pub Dt: 9/4/2003 | Title: ANTI-ISLANDING DEVICE AND METHOD FOR GRID CONNECTED INVERTERS USING RANDOM NOISE INJECTION | |
| | | | | |
| 55 | Patent #: 6844701 | Issue Dt: 1/18/2005 | Application #: 10345872 | Filing Dt: 1/15/2003 |
| | Publication #: US20030164028 | Pub Dt: 9/4/2003 | Title: OVERMODULATION SYSTEMS AND METHODS FOR INDUCTION MOTOR CONTROL | |
| | | | | |
| 56 | Patent #: 6937483 | Issue Dt: 8/30/2005 | Application #: 10345894 | Filing Dt: 1/15/2003 |
| | Publication #: US20030198064 | Pub Dt: 10/23/2003 | Title: DEVICE AND METHOD OF COMMUTATION CONTROL FOR AN ISOLATED BOOST CONVERTER | |
| | | | | |
| 57 | Patent #: 6843749 | Issue Dt: 1/18/2005 | Application #: 10346554 | Filing Dt: 1/16/2003 |
| | Publication #: US20030155165 | Pub Dt: 8/21/2003 | Title: APPARATUS AND METHOD TO ACHIEVE MULTIPLE EFFECTIVE RATIOS FROM A FIXED RATIO TRANSAKLE | |
| | | | | |
| 58 | Patent #: 7014928 | Issue Dt: 3/21/2006 | Application #: 10346561 | Filing Dt: 1/16/2003 |
| | Publication #: US20030157379 | Pub Dt: 8/21/2003 | Title: DIRECT CURRENT/DIRECT CURRENT CONVERTER FOR A FUEL CELL SYSTEM | |
| | | | | |
| 59 | Patent #: 6894450 | Issue Dt: 5/17/2005 | Application #: 10346724 | Filing Dt: 1/16/2003 |
| | Publication #: US20030214266 | Pub Dt: 11/20/2003 | Title: CIRCUIT CONFIGURATION FOR PERMANENT MAGNET SYNCHRONOUS MOTOR CONTROL | |
| | | | | |
| 60 | Patent #: 7012822 | Issue Dt: 3/14/2006 | Application #: 10360832 | Filing Dt: 2/7/2003 |
| | Publication #: US20030214826 | Pub Dt: 11/20/2003 | Title: INTEGRATED TRACTION INVERTER MODULE AND DC/DC CONVERTER | |
| | | | | |
| 61 | Patent #: 6890218 | Issue Dt: 5/10/2005 | Application #: 10443646 | Filing Dt: 5/21/2003 |
| | Publication #: US20040033729 | Pub Dt: 2/19/2004 | Title: THREE-PHASE CONNECTOR FOR ELECTRIC VEHICLE DRIVETRAIN | |
| | | | | |



United States Patent and Trademark Office

Patent Assignment Details

NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Reel/Frame: 019077/0840

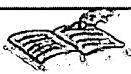
Recorded: 3/28/2007

Pages: 7

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

62	Patent #:	6927988	Issue Dt:	8/9/2005	Application #:	10447708	Filing Dt:	5/28/2003
	Publication #:	<u>US20040034508</u>	Pub Dt:	2/19/2004				
	Title:	CONVERTER CIRCUITS						
63	Patent #:	6936991	Issue Dt:	8/30/2005	Application #:	10449824	Filing Dt:	5/30/2003
	Publication #:	<u>US20040036434</u>	Pub Dt:	2/26/2004				
	Title:	METHOD AND APPARATUS FOR MOTOR CONTROL						
64	Patent #:	6845020	Issue Dt:	1/18/2005	Application #:	10453920	Filing Dt:	6/2/2003
	Publication #:	<u>US20040027839</u>	Pub Dt:	2/12/2004				
	Title:	POWER CONVERTER SYSTEM						
65	Patent #:	6867987	Issue Dt:	3/15/2005	Application #:	10461933	Filing Dt:	6/13/2003
	Publication #:	<u>US20040252531</u>	Pub Dt:	12/16/2004				
	Title:	MULTILEVEL INVERTER CONTROL SCHEMES						
66	Patent #:	6900643	Issue Dt:	5/31/2005	Application #:	10637754	Filing Dt:	8/6/2003
	Publication #:	<u>US20050030045</u>	Pub Dt:	2/10/2005				
	Title:	RIDE THROUGH IN ELECTRONIC POWER CONVERTERS						
67	Patent #:	6906404	Issue Dt:	6/14/2005	Application #:	10642391	Filing Dt:	8/14/2003
	Publication #:	<u>US20040227231</u>	Pub Dt:	11/18/2004				
	Title:	POWER MODULE WITH VOLTAGE OVERSHOOT LIMITING						
68	Patent #:	6987670	Issue Dt:	1/17/2006	Application #:	10642424	Filing Dt:	8/14/2003
	Publication #:	<u>US20040228094</u>	Pub Dt:	11/18/2004				
	Title:	DUAL POWER MODULE POWER SYSTEM ARCHITECTURE						
69	Patent #:	7058755	Issue Dt:	6/6/2006	Application #:	10658124	Filing Dt:	9/9/2003
	Publication #:	<u>US20050055496</u>	Pub Dt:	3/10/2005				
	Title:	EPPROM EMULATION IN FLASH MEMORY						
70	Patent #:	NONE	Issue Dt:		Application #:	10658804	Filing Dt:	9/9/2003
	Publication #:	<u>US20060274561</u>	Pub Dt:	12/7/2006				
	Title:	Tri-level inverter						
71	Patent #:	NONE	Issue Dt:		Application #:	10664808	Filing Dt:	9/17/2003
	Publication #:	<u>US20040230847</u>	Pub Dt:	11/18/2004				
	Title:	Power converter architecture employing at least one capacitor across a DC bus						
72	Patent #:	7019996	Issue Dt:	3/28/2006	Application #:	10688834	Filing Dt:	10/16/2003
	Publication #:	<u>US20050083714</u>	Pub Dt:	4/21/2005				
	Title:	POWER CONVERTER EMPLOYING A PLANAR TRANSFORMER						
73	Patent #:	NONE	Issue Dt:		Application #:	10713552	Filing Dt:	11/14/2003
	Publication #:	<u>US20050105229</u>	Pub Dt:	5/19/2005				
	Title:	Two-level protection for uninterrupted power supply						
74	Patent #:	6940735	Issue Dt:	9/6/2005	Application #:	10713767	Filing Dt:	11/14/2003
	Publication #:	<u>US20050105306</u>	Pub Dt:	5/19/2005				
	Title:	POWER CONVERTER SYSTEM						



United States Patent and Trademark Office

Patent Assignment Details

NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Reel/Frame: 019077/0840

Pages: 7

Recorded: 3/28/2007

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS):

Total properties: 104

88	Patent #: <u>7046535</u>	Issue Dt: 5/16/2006	Application #: 11003542	Filing Dt: 12/3/2004
	Publication #: <u>US20050152100</u>	Pub Dt: 7/14/2005		
Title: ARCHITECTURE FOR POWER MODULES SUCH AS POWER INVERTERS				
89	Patent #: NONE	Issue Dt:	Application #: 11010560	Filing Dt: 12/13/2004
	Publication #: <u>US20050152101</u>	Pub Dt: 7/14/2005		
Title: Architecture for power modules such as power inverters.				
90	Patent #: NONE	Issue Dt:	Application #: 11010561	Filing Dt: 12/13/2004
	Publication #: <u>US20050162875</u>	Pub Dt: 7/28/2005		
Title: Architecture for power modules such as power inverters				
91	Patent #: NONE	Issue Dt:	Application #: 11010950	Filing Dt: 12/13/2004
	Publication #: <u>US20060007721</u>	Pub Dt: 1/12/2006		
Title: Architecture for power modules such as power inverters				
92	Patent #: NONE	Issue Dt:	Application #: 11095035	Filing Dt: 3/30/2005
	Publication #: <u>US20050253543</u>	Pub Dt: 11/17/2005		
Title: Method, apparatus and article for vibration compensation in electric drivetrains				
93	Patent #: NONE	Issue Dt:	Application #: 11096236	Filing Dt: 3/30/2005
	Publication #: <u>US20050254273</u>	Pub Dt: 11/17/2005		
Title: Method, apparatus and article for bi-directional DC/DC power conversion				
94	Patent #: NONE	Issue Dt:	Application #: 11192321	Filing Dt: 7/28/2005
	Publication #: <u>US20060022541</u>	Pub Dt: 2/2/2006		
Title: Rotor hub and assembly for a permanent magnet power electric machine				
95	Patent #: <u>7187558</u>	Issue Dt: 3/6/2007	Application #: 11245723	Filing Dt: 10/6/2005
	Publication #: <u>US20060028806</u>	Pub Dt: 2/9/2006		
Title: LEADFRAME-BASED MODULE DC BUS DESIGN TO REDUCE MODULE INDUCTANCE				
96	Patent #: NONE	Issue Dt:	Application #: 11250180	Filing Dt: 10/12/2005
	Publication #: <u>US20070080655</u>	Pub Dt: 4/12/2007		
Title: Method, apparatus and article for detecting rotor position				
97	Patent #: NONE	Issue Dt:	Application #: 11255162	Filing Dt: 10/20/2005
	Publication #: <u>US20060152085</u>	Pub Dt: 7/13/2006		
Title: Power system method and apparatus				
98	Patent #: NONE	Issue Dt:	Application #: 11262519	Filing Dt: 10/27/2005
	Publication #: <u>US20070097569</u>	Pub Dt: 5/3/2007		
Title: System and method of over voltage control for a power system				
99	Patent #: NONE	Issue Dt:	Application #: 11282301	Filing Dt: 11/18/2005
	Publication #: <u>US20070114954</u>	Pub Dt: 5/24/2007		
Title: System and method of commonly controlling power converters				
100	Patent #: <u>7193860</u>	Issue Dt: 3/20/2007	Application #: 11292870	Filing Dt: 12/2/2005
	Publication #: <u>US20060082983</u>	Pub Dt: 4/20/2006		
Title: LEADFRAME-BASED MODULE DC BUS DESIGN TO REDUCE MODULE INDUCTANCE				



United States Patent and Trademark Office

Patent Assignment Details

NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Reel/Frame: 019077/0840

Pages: 7

Recorded: 3/28/2007

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

101	Patent #: NONE Publication #: <u>US20070147097</u> Title: house keeping power supply	Issue Dt: 6/28/2007	Application #: 11317658 Filing Dt: 12/22/2005
102	Patent #: NONE Publication #: <u>US20060099463</u> Title: Direct current/direct current converter for a fuel cell system	Issue Dt: 5/11/2006	Application #: 11318166 Filing Dt: 12/23/2005
103	Patent #: NONE Publication #: <u>US20070012492</u> Title: Power generation system suitable for hybrid electric vehicles	Issue Dt: 1/18/2007	Application #: 11472486 Filing Dt: 6/20/2006
104	Patent #: NONE Publication #: <u>US20070016340</u> Title: Controller method, apparatus and article suitable for electric drive	Issue Dt: 1/18/2007	Application #: 11480311 Filing Dt: 6/29/2006

Assignor

1 BALLARD POWER SYSTEMS CORPORATION

Assignee

1 SIEMENS VDO AUTOMOTIVE CORPORATION
2400 EXECUTIVE HILLS BLVD.
AUBURN HILLS, MICHIGAN 48326-2980

Correspondence name and address

ELSA KELLER
SIEMENS CORPORATION INTELLECTUAL ET AL
170 WOOD AVENUE SOUTH
ISELIN, NJ 08830

Search Results as of: 07/19/2007 02:11 PM

If you have any comments or questions concerning the data displayed, contact PRD / Assignments at 571-272-3350 v.2.0.1

Web interface last modified: April 20, 2007 v.2.0.1